STIC SEARCH RESULTS FEEDBACK FORM

Biotech-Chem Library

Questions about the scope or the results of the search? Contact *the searcher or contact:*

Mary Hale, Information Branch Supervisor
Remsen Bldg. 01 D86
571-272-2507

Voluntary Results Feedback

- *I am an examiner in Workgroup:* [ ] *Example: 1610*
- *Relevant prior art* ***found****, search results used as follows:*
  - ☐ 102 rejection
  - ☐ 103 rejection
  - ☐ Cited as being of interest.
  - ☐ Helped examiner better understand the invention.
  - ☐ Helped examiner better understand the state of the art in their technology

  Types of relevant prior art found
  - ☐ Foreign Patent(s)
  - ☐ Non-Patent Literature
    (journal articles, conference proceedings, new product announcements etc.)
- *Relevant prior art* ***not found****:*
  - ☐ Results verified the lack of relevant prior art (helped determine patentability).
  - ☐ Results were not useful in determining patentability or understanding the invention

Comments:

Drop off or send completed forms to STIC-Biotech-Chem Library, Remsen Bldg.

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     (FILE 'HOME' ENTERED AT 14:30:32 ON 13 SEP 2004)

     FILE 'HCAPLUS' ENTERED AT 14:31:01 ON 13 SEP 2004
L1            1 US20040152669/PN

     FILE 'REGISTRY' ENTERED AT 14:31:13 ON 13 SEP 2004

     FILE 'HCAPLUS' ENTERED AT 14:31:15 ON 13 SEP 2004
L2              TRA L1 1- RN :       12 TERMS

     FILE 'REGISTRY' ENTERED AT 14:31:15 ON 13 SEP 2004
L3           12 SEA L2

     FILE 'WPIX' ENTERED AT 14:31:21 ON 13 SEP 2004
L4            1 US20040152669/PN

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FILE 'HCAPLUS' ENTERED AT 14:31:47 ON 13 SEP 2004
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FILE COVERS 1907 - 13 Sep 2004  VOL 141 ISS 12
FILE LAST UPDATED: 12 Sep 2004  (20040912/ED)

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

=> d all l1

L1   ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2003:173445  HCAPLUS
DN   138:221708
ED   Entered STN:  07 Mar 2003
TI   Preparation of antibacterial agents based upon oxyanion binding
IN   Cooper, Stephen R.; Yager, Kraig M.
PA   Quorex Pharmaceuticals, Inc., USA
SO   PCT Int. Appl., 29 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
IC   ICM  A61K031-69
CC   29-7 (Organometallic and Organometalloidal Compounds)
     Section cross-reference(s): 1, 10, 25, 27, 28, 63
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     --------------      ----   --------    --------------------   --------
PI   WO 2003018029        A1    20030306    WO 2002-US27154        20020822
         W:  AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES,
             FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,
             KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
             MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK,
             SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW,
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         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
             CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
             PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
             NE, SN, TD, TG
     US 2003105062         A1    20030605    US 2002-227327         20020822
     US 6737415            B2    20040518
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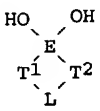
EP 1418923 A1 20040519 EP 2002-759457 20020822
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK
US 2004152669 A1 20040805 US 2003-676770 20031001 <--
PRAI US 2001-314683P P 20010824
US 2002-227327 A3 20020822
WO 2002-US27154 W 20020822

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2003018029	ICM	A61K031-69
US 2003105062	ECLA	A61K031/38; A61K031/381; A61K031/425; A61K031/66; A61K031/69

OS CASREACT 138:221708; MARPAT 138:221708

GI



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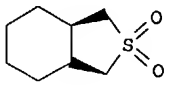

II

AB Oxyanion compds. I [E = B, P,S; T1, T2 = O, NR, CH2; R = H, C1-8-alkyl, C1-8-oxoalkyl; L = ethyelen, propylene, C4-6-alicyclic (cyclopentyl, cyclohexyl, pyrrolidine, THF, piperidine, pyran, dioxane, morpholine), aromatic (pyrrole, furan, pyridine, pyridimidine, pyrazine, imidazole, thiazole, oxazole, purine, indazole)] are useful for treating bacterial growth. Thus, sulfone II was prepared from cis-1,2-cyclohexanedimethanol dimesylate via reaction with Na2S in DMSO followed by S-oxidation with monoperphthalic acid in Et2O. The compds. may be used to treat bacterial infections in human beings and to regulate biofilm formation (no data). Pharmaceutical compns. comprising one or more such compds. are useful for treating bacterial infections in human beings (no data).

ST antibacterial oxoanion prepn; bacterial infection human treatment oxoanion; microbial biofilm regulation oxyanion

IT Infection
(bacterial, treatment; preparation of antibacterial agents based upon oxoanion binding)

IT Carbonates, preparation
Sulfates, preparation
Sulfites
Sulfones
Urethanes
RL: AGR (Agricultural use); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cyclic; preparation of antibacterial agents based upon oxoanion binding)

IT Borates
Phosphates, preparation
RL: AGR (Agricultural use); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(esters; preparation of antibacterial agents based upon oxoanion binding)

IT Biofilms (microbial)
(formation regulator; preparation of antibacterial agents based upon oxoanion binding)

IT Oxyanions
(oxoanions; preparation of antibacterial agents based upon oxoanion binding)

IT Antibacterial agents
Human
(preparation of antibacterial agents based upon oxoanion binding)

IT Amides, preparation
Sulfates, preparation
RL: AGR (Agricultural use); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(sulfamates, cyclic sulfamidates and sulfamidites; preparation of antibacterial agents based upon oxoanion binding)

IT Cyclic compounds
RL: AGR (Agricultural use); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(sulfones; preparation of antibacterial agents based upon oxoanion binding)

IT 5329-14-6DP, Sulfamidic acid, cyclic derivs.
RL: AGR (Agricultural use); SPN (Synthetic preparation); THU (Therapeutic

use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cyclic; preparation of antibacterial agents based upon oxoanion binding)
IT 66347-68-0, cis-Cyclohexane-1,2-dimethanol dimethanesulfonate
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclocondensation of, with sodium sulfide; preparation of antibacterial agents based upon oxoanion binding)
IT 54053-76-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and S-oxidation of; preparation of antibacterial agents based upon oxoanion binding)
IT 57-13-6DP, Urea, cyclic derivs. 2171-74-6P, o-Phenylene carbonate 6303-21-5DP, Phosphinic acid, cyclic esters and amides 7803-58-9DP, Sulfamide, cyclic derivs. 10043-91-1DP, Phosphorodiamidic acid, cyclic derivs. 66301-61-9P, cis-8-Thiabicyclo[4.3.0]nonane 8,8-dioxide 500729-74-8P 500729-75-9P
RL: AGR (Agricultural use); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of antibacterial agents based upon oxoanion binding)
IT 120-80-9, Catechol, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of antibacterial agents based upon oxoanion binding)
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Coddington; Journal of Coordination Chemistry 1989, V20(1), P27 HCAPLUS
(2) Dale, J; US 3053880 A 1962 HCAPLUS
(3) de Gray; US 3325262 A 1967 HCAPLUS
(4) Degray; US 3564091 A 1971 HCAPLUS
(5) Sagulenko; Viniti 1984, P4184 HCAPLUS
(6) Singer, M; US 3873279 A 1975 HCAPLUS

=> b reg
FILE 'REGISTRY' ENTERED AT 14:31:54 ON 13 SEP 2004
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STRUCTURE FILE UPDATES: 10 SEP 2004 HIGHEST RN 742663-39-4
DICTIONARY FILE UPDATES: 10 SEP 2004 HIGHEST RN 742663-39-4

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

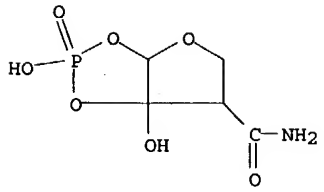
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

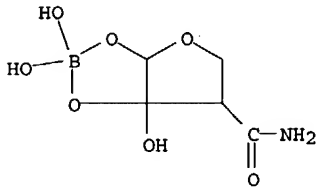
=> d ide l3 tot

L3 ANSWER 1 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
RN **500729-75-9** REGISTRY
CN Furo[2,3-d]-1,3,2-dioxaphosphole-6-carboxamide, tetrahydro-2,6a-dihydroxy-, 2-oxide (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C5 H8 N O7 P
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

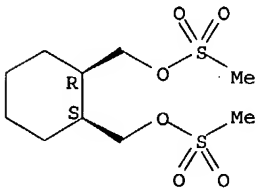
L3 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
RN **500729-74-8** REGISTRY
CN Boron, dihydroxy[tetrahydro-4-hydroxy-4,5-di(hydroxy-.kappa.O)-2-furancarboxamidato(2-)]-, (T-4)- (9CI) (CA INDEX NAME)
MF C5 H9 B N O7
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
RN **66347-68-0** REGISTRY
CN 1,2-Cyclohexanedimethanol, dimethanesulfonate, (1R,2S)-rel- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,2-Cyclohexanedimethanol, dimethanesulfonate, cis-
OTHER NAMES:
CN cis-Cyclohexane-1,2-dimethanol dimethanesulfonate
CN NSC 170782
FS STEREOSEARCH
MF C10 H20 O6 S2
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: RACT (Reactant or reagent)
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

Relative stereochemistry.

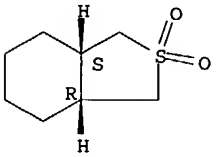


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
RN **66301-61-9** REGISTRY
CN Benzo[c]thiophene, octahydro-, 2,2-dioxide, (3aR,7aS)-rel- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzo[c]thiophene, octahydro-, 2,2-dioxide, cis-
OTHER NAMES:
CN cis-8-Thiabicyclo[4.3.0]nonane 8,8-dioxide
FS STEREOSEARCH
MF C8 H14 O2 S
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, USPAT2, USPATFULL
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Relative stereochemistry.

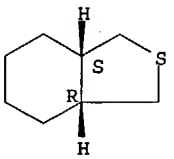


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
RN **54053-76-8** REGISTRY
CN Benzo[c]thiophene, octahydro-, (3aR,7aS)-rel- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzo[c]thiophene, octahydro-, cis-
OTHER NAMES:
CN cis-7-Thiabicyclo[4.3.0]nonane
CN cis-Octahydrobenzo[c]thiophene
FS STEREOSEARCH
MF C8 H14 S
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, SPECINFO, USPAT2, USPATFULL
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties); RACT (Reactant or reagent); NORL (No role in record)

Relative stereochemistry.

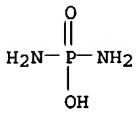


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

13 REFERENCES IN FILE CA (1907 TO DATE)
13 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
RN **10043-91-1** REGISTRY
CN Phosphorodiamidic acid (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Diamidophosphoric acid
CN Phosphoric acid amide
CN Phosphoric acid diamide
CN Phosphoric diamide

FS 3D CONCORD
MF H5 N2 O2 P
CI COM
LC STN Files: ANABSTR, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMLIST, GMELIN*, IFICDB, IFIUDB, MEDLINE, PIRA, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Conference; Dissertation; Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)

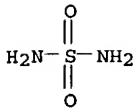


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

103 REFERENCES IN FILE CA (1907 TO DATE)
14 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
103 REFERENCES IN FILE CAPLUS (1907 TO DATE)
9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 7 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
RN **7803-58-9** REGISTRY
CN Sulfamide (6CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Imidosulfamic acid
CN NSC 252
CN Sulfamamide
CN Sulfonyl diamide
CN Sulfuric diamide
CN Sulfuryl amide
CN Sulfuryl diamide
CN Sulphamide
FS 3D CONCORD
MF H4 N2 O2 S
CI COM
LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DETHERM*, GMELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, PIRA, PROMT, PS, SPECINFO, TOXCENTER, TULSA, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent; Report
RL.P Roles from patents: BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); MSC (Miscellaneous); PREP (Preparation); PROC (Process); PRP

(Properties); RACT (Reactant or reagent); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

677 REFERENCES IN FILE CA (1907 TO DATE)
72 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
679 REFERENCES IN FILE CAPLUS (1907 TO DATE)
30 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 8 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
RN **6303-21-5** REGISTRY
CN Phosphinic acid (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Dihydroxyphosphine
CN Hydroxyphosphine oxide
CN Hypophosphorous acid
CN Phosphine oxide, hydroxy-
CN Phosphonous acid
FS 3D CONCORD
DR 60062-19-3
MF H3 O2 P
CI COM
LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DIPPR*, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, TOXCENTER, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
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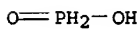
RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)



2048 REFERENCES IN FILE CA (1907 TO DATE)
493 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2052 REFERENCES IN FILE CAPLUS (1907 TO DATE)
10 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 9 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
RN **5329-14-6** REGISTRY
CN Sulfamic acid (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Alprojet W
CN Amidosulfonic acid
CN Amidosulfuric acid
CN Aminesulfonic acid
CN Aminosulfonic acid
CN Aminosulfuric acid

CN Jumbo
CN NSC 1871
CN Scale Cleen
CN Sulfamidic acid
CN Sulfaminic acid
CN Sulphamic acid
FS 3D CONCORD
MF H3 N O3 S
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIPPR*, DRUGU, EMBASE, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, TULSA, USPAT2, USPATFULL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
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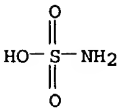

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3633 REFERENCES IN FILE CA (1907 TO DATE)
212 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
3634 REFERENCES IN FILE CAPLUS (1907 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 10 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
RN **2171-74-6** REGISTRY
CN 1,3-Benzodioxol-2-one (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Carbonic acid, cyclic o-phenylene ester (7CI, 8CI)
CN Carbonic acid, o-phenylene ester (6CI)
OTHER NAMES:
CN Catechol cyclic carbonate
CN o-Phenylene carbonate
CN Pyrocatechol carbonate
FS 3D CONCORD
MF C7 H4 O3
CI COM
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, HODOC*, IFICDB, IFIPAT, IFIUDB, SPECINFO, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Conference; Dissertation; Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RL.NP Roles from non-patents: BIOL (Biological study); FORM (Formation,

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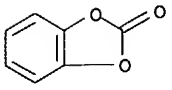

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

86 REFERENCES IN FILE CA (1907 TO DATE)
86 REFERENCES IN FILE CAPLUS (1907 TO DATE)
4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 11 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
RN 120-80-9 REGISTRY
CN 1,2-Benzenediol (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Pyrocatechol (8CI)
OTHER NAMES:
CN 1,2-Dihydroxybenzene
CN 2-Hydroxyphenol
CN C.I. 76500
CN C.I. Oxidation Base 26
CN Catechol
CN Catechol (phenol)
CN Durafur Developer C
CN Fouramine PCH
CN Fourrine 68
CN NSC 1573
CN o-Benzenediol
CN o-Dihydroxybenzene
CN o-Dioxybenzene
CN o-Hydroquinone
CN o-Hydroxyphenol
CN o-Phenylenediol
CN Oxyphenic acid
CN Pelagol Grey C
CN Phthalhydroquinone
CN Phthalic alcohol
CN Pyrocatechin
CN Pyrocatechine
FS 3D CONCORD
DR 16474-89-8, 16474-90-1, 37349-32-9
MF C6 H6 O2
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
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(Reactant or reagent); USES (Uses); NORL (No role in record)
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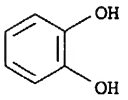

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17199 REFERENCES IN FILE CA (1907 TO DATE)
1178 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
17217 REFERENCES IN FILE CAPLUS (1907 TO DATE)
7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 12 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
RN **57-13-6** REGISTRY
CN Urea (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Aquacare
CN Aquadrate
CN B-I-K
CN Basodexan
CN Benural 70
CN Carbamide
CN Carbamimidic acid
CN Carbonyl diamide
CN Elaqua XX
CN Eucerin 10% Urea Lotion
CN Hyanit
CN Isourea
CN Keratinamin
CN Keratinamin Kowa
CN NSC 34375
CN Nutraplus
CN Onychomal
CN Optigen 1200
CN Pastaron
CN Pastaron 10
CN Pastaron 20
CN Pastaron 20 soft
CN Pastaron soft
CN Pseudourea
CN Rubinol ST 010
CN UR
CN Urea perhydrate
CN Ureaphil
CN Ureophil
CN Urepeal
CN Urepeal L
CN Urepearl
CN Urevert
CN Varioform II
FS 3D CONCORD
DR 30535-50-3
MF C H4 N2 O
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PHAR, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent; Preprint; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
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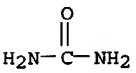

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73552 REFERENCES IN FILE CA (1907 TO DATE)
3221 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
73603 REFERENCES IN FILE CAPLUS (1907 TO DATE)
9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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FILE LAST UPDATED: 10 SEP 2004 <20040910/UP>
MOST RECENT DERWENT UPDATE: 200458 <200458/DW>
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L4 ANSWER 1 OF 1 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN
AN 2003-312806 [30] WPIX
DNC C2003-081985
TI Use of cyclic boron, sulfur or phosphorus compounds for treating bacterial growth and promoting and/or inhibiting the development or maintenance of biofilms.
DC B02 B03
IN COOPER, S R; YAGER, K M
PA (COOP-I) COOPER S R; (YAGE-I) YAGER K M; (QUOR-N) QUOREX PHARM INC
CYC 102
PI WO 2003018029 A1 20030306 (200330)* EN 29 A61K031-69
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            RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM
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     EP 1418923       A1 20040519 (200433)  EN         A61K031-69
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     AU 2002324791    A1 20030310 (200452)             A61K031-69
     US 2004152669    A1 20040805 (200452)             A61K031-69     <--
ADT  WO 2003018029 A1 WO 2002-US27154 20020822; US 2003105062 A1 Provisional US
     2001-314683P 20010824, US 2002-227327 20020822; EP 1418923 A1 EP
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     US 2001-314683P 20010824, US 2002-227327 20020822; AU 2002324791 A1 AU
     2002-324791 20020822; US 2004152669 A1 Provisional US 2001-314683P
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PRAI US 2001-314683P      20010824; US 2002-227327       20020822;
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IC   ICM  A61K031-69
     ICS  A61K031-38; A61K031-381; A61K031-425; A61K031-66
AB   WO2003018029 A UPAB: 20030513
     NOVELTY - Use of cyclic boron, sulfur or phosphorus compounds (I) for
     controlling bacterial growth.
          DETAILED DESCRIPTION - The use of cyclic compounds of formula (I) for
     treating bacterial growth, is new.
     E = B, P or S;
          T1, T2 = O, NR or CH2;
          R = H, 1-8C alkyl or 1-8C oxoalkyl; and
          L = ethylene, propylene, 4-6 membered alicyclic or aromatic.
          Provided that compounds of formula (I) do not include
     autoinducer-2-borate of formula (I').
          AN INDEPENDENT CLAIM is included for compositions comprising (I).
          ACTIVITY - Antibacterial.
          No details of tests are given.
          MECHANISM OF ACTION - Autoinducer-2 receptor inhibitors.
          USE - For treating bacterial growth, and promoting and/or inhibiting
     the development or maintenance of biofilms.
     Dwg.0/0
FS   CPI
FA   AB; GI; DCN
MC   CPI: B05-B01A; B05-B01E; B05-B01G; B06-B01; B06-C; B06-F03; B07-B02;
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